			اب طالا و و		
Substitut	te for form 1449A/P	<u>ت</u> 4	*		Complete if Known
		VA,		Application Number	10/054,749
INFO	DRMATION	I DH	COLVO SURE	Filing Date	January 18, 2002
STA	TEMENT E	SY A	PPLICANT	First Named Inventor	Stork, David G.
				Art Unit	2142
	(use as many she	eets e	necessary)	Examiner Name	Blair, D. B.
Sheet	1	of	2	Attorney Docket Number	015358-006710US

			U.S. PATENT DO	CUMENTS+	
Examiner Initials*	Cite No.1	Document Number Number Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		/	_		
		\			<u> </u>
		 \-/ 		 	
	*	 \/ 			
		X			
		 		-	***************************************
		 			
			·		
		/			
		· \	<u> </u>		
	<u> </u>	/			

		•		FOREIGN PA	TENT DOCUME	NTS		
		For	eign Patent Do	cument .		Name of Patentee or	Pages, Columns, Lines,	
Examiner Initials*	Cite No.1	Country Code ³	Number ⁴	Kind Code (8 known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	τ•
	i							
			\leftarrow					
		1						

Examiner Signature Date Considered 9/22/05	 		
		9/22/05	

EXAMINER: Initial if reference/considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include adopty of this form with next communication to applicant. Applicant's unique citation designation number (optional). Kind Codes of U.S. Patent Occuments at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. It is in the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Applicant by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0551-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, go persons are required to respond to a collection of information unless it contains a valid OMB control number.

ubstitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1

	Complete if Known
Application Number	10/054,749
Filing Date	January 18, 2002
First Named Inventor	Stork, David G.
Group Art Unit	2153
Examiner Name	Burgess, Glenton B.
Attorney Docket Number	15358-006710US

				U.S. PATENT DOCUM	MENTS	·
Examiner Initials	Cite No.1	U.S. Patent Docum Kind Co	ode²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AS	AA	RE 31,287		Patil	06-21-1983	
NB	AB	4,068,214		Patil	01-10-1978	
- IR	AC	4,644,461		Jennings	02-17-1987	
B	AD	4,700,187		Furtek	10-13-1987	
-FB	AE	4,866,605		Nakano et al.	09-12-1989	
AB	AF	5,029,080		Otsuki	07-02-1991	RECEIVED
AB	AG	5,257,363		Shapiro et al.	10-26-1993	HECEIVED
43	AH	5,283,896		Temmyo et al.	02-01-1994	
OF	Al	5,291,427		Loyer et al.	03-01-1994	FEB 1 8 2004
XXVI	AJ	5,555,179		Koyama et al.	09-10-1996	
133	AK	5,742,283		Kim	04-21-1998	Technology Center 210
185	AL	6,002,850		Simino et al.	12-14-1999	100::::0:09) 00:::0: -
M	AM	6,011,830		Sasin et al.	01-04-2000	
135	AN	6,087,357		Kishinsky et al.	05-23-2000	
AB	AO	6,178,239	B1	Kishinsky et al.	01-23-2001	
413	AP	6,225,998	B1	Okita et al.	05-01-2001	
100	AQ	6,256,598	81	Park et al.	07-03-2001	
100	1	1				

				FOREIGI	N PATENT DOCU	MENTS		
Examiner Initials*	0"-	For	eign Patent Docu	ment	Name of Patentee	Date of Publication of	Pages, Columns, Lines, Where Relevant	
	Cite No.1	Office ³	Niumbor	(ind Code ⁵ (if known)	or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T ⁶
	:AR	DE	4301391	A1	Vetterkind, D.	08-11-1994	·	
	AS	DE	19821062	A1	Siemens, A.G.	11-27-1997		
	` AT	JP	7160773	A	Omron, K.K.	06-23-1995		
	AU	JР	10049206	Ā	Kobe Steel, Ltd.	02-20-1998		
		JP	10058288	A	Toshiba, K.K.	03-03-1998		
 	AW	JP	10124110	A	Ebara Corp.	05-13-1998		
	AX.	JP.	10240714	A-	Toshiba, K.K.	09-11-1998		
+	AY	JP	11328259	A	Nippon Steel Corp.	11-30-1999		

1			
Examiner Signature	in Bl	Date Considered	9/22/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for form 1449B/PT

of

2

Sheet

(use as many sheets as necessary) 2

	Complete if Known	
Application Number	10/054,749	
Filing Date	January 18, 2002	
First Named Inventor	Stork, David G.	
Art Unit	2142	
Examiner Name	Blair, D. B.	
Attomey Docket Number	015358-006710US	

		NON PATENT LITERATURE DOCUMENTS	_
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
	-44-	KOHLER et al., "Liveness Preserving Composition of Behaviour Protocols for Petri Net Agents," Technical Report, Universitat Hamburg, Fachbereich Informatik (2001).	

	 1				
Examiner Signature	in B	h	Date Considered	9/22/05	2
	 7 7/				

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

60158137 v1

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

15358-006710US

Under the Paperwork Reduction Act of 1995, go persons are required to respond to a collection of information unless it contains a valid OMB control number

stitute for form 1449B/PTO

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known **Application Number** 10/054,749 January 18, 2002 **Filing Date** Stork, David G. **First Named Inventor** 2153 Group Art Unit Burgess, Glenton B. **Examiner Name**

(use as many sheets as necessary)

of Attomey Docket Number

Technology Center 2100

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т
	AZ	ACSTO, L., and HENNESSY, M., 'Adding Action Refinement to a Finite Process Algebra'," Information and Computation, 115, pp. 179-247 (1994).	L
· -	ВА	ANONYMOUS, "Petri net approach to checking software structural change correctness in operation – using changed region analysis to identify parts still needing further checking using set of linear expressions in togic relationship." RD 348009 A, p. 225, (4-10-1993).	
	ВВ	BAI, YUE-BIN, LIU, YI, MA, JIAN-SHE, and ZHENG, SHOU-QI, "Research and Implementation of Distributed Security Administration System for Remote Access Based on NAS," Mini-Micro Systems, Vol. 21, No. 11, pp. 1197-2000 (Nov. 2000).	
	ВС	BAUDERON, M. and COURCELLE, B. "Graph Expressions and Graph Rewriting," Mathematical Systems Theory, Vol. 20, pp. 83-127, (1987).	
	BD	CHUN, Yang, "Application and Research of a User Name and Password Authentication Based on SOCKS V5," Journal of University of Electronic Science and Technology of China, Vol. 30, No. 2, pp. 162-165 (Apr. 2001).	
	BE	DOYLE, E.M., TAVERES, S.E., and MEIJER, H., "Computer Analysis of Cryptographic Protocols Using Colored Petri Nets," 18th Bienniel Symposium on Communication Symposium Proceedings, pp. 194-199 (June, 1996).	
	BF.	EL-HADIDI, M.T., HEBAZI, N.H., and ASLAN, H.K., "Implementation of a Hybrid Encryption Scheme for Ethernet," Proceedings of IEEE Symposium on Computers and Communications, Alexandria, Egypt, pp. 150-156 (June 1995)	
	80	GENRICH, H.J., and LAUTENBACH, K., "System Modelling With High-Level Petri Nets," Theoretical Computer Science, 13, pp. 109-136, (1981).	
	ВН	-JUSZCZYSZYN, K., "Secure Information Flow Model for Corporate Network," Information Systems Architecture and Technology ISAT 2000, pp. 272-279, (2000).	-
	81	KARRI, R., "A Security Imbedded Authentication Protocol," IEEE INFOCOM '88 – The Conference on Computer Communications Proceedings, pp. 1105-1109 (March 1988).	L
	ВЈ	KRAMER, B., "Rule-Enhanced Petri Nets for Software Process Modeling," SEKE '94 – The 6th International Conference on Software Engineering and Knowledge Engineering, pp. 493-500 (June 1994)	
	ВК	Mil NER, R. "Communicating and Mobile Systems: The π - Calculus," Cambridge University Press, Cambridge, UK, pp. 1-161, (1999).	
	BL	MIRSKY, E., and DEHON, A., "MATRIX: A Reconfigurable Computing Architecture with Configurable Instruction Distribution and Deployable Resources," Proceedings of IEEE Workship of FPGAs for Custom Computing Machines, pp. 157-168, (1998).	
	ВМ	MURATA, T., "Petri nets: Properties, Analysis and Applications," Proceedings of the IEEE, Vol. 77, No. 4, pp. 541-580, (April 1989).	
	BN	MORTON, C.M., ROBART, L.C., and TAVARES, S.E., "Decomposition Techniques for Cryptographic Protocol Analysis," 1994 Canadian Conference on Electrical and Computer Engineering, pp. 335-339, (September 1994).	

Examiner Signature	Avis	Date Considered	9/27/09

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

60140018 v1

FEB 1 7 2004 TO ANE

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/088	(08-00

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information untess it contains a valid OMB control number

	Old Ber approximation and include a passing and include a contract of the cont						
1	Substitute for form 14498/PTO		Complete if Known				
		Application Number	10/054,749				
	INFORMATION DISCLOSURE	Filing Date	January 18, 2002				
	STATEMENT BY APPLICANT	First Named Inventor	Stork, David G.				
		Group Art Unit	2153				
	(use as many sheets as necessary)	Examiner Name	Burgess, Glenton BOCCIVE				
abla	Sheet 3 of 3	Attorney Docket Number	15358-006710US				

FEB 1 8 2004

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Technology	/ ()
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
	во	OHTA, A., OHBA, T., and HISAMURA, T., "On Liveness of Subclasses of Petri Nets with Permission or Inhibitor Arcs," Trans. of the Society of Instrument and Control Engineers, Vol. 31, No. 10, pp. 1722-1729 (1995).	
	ВР	SCHMIDT, H.W., "Prototyping and Analysis of Non-Sequential Systems Using Predicate-Event Nets," Journal Systems Software, Vol. 15, pp. 43-82, (1991).	/
	BQ	VALETTE, R., "Analysis of Petri Nets By Stepwise Refinements," Journal of Computer and System Sciences, Vol. 18, No. 1, pp. 35-46, (1979).	
	BR	VAN DER AALST, Wil. M.P., "Interorganizational Workflows: An approach based on message sequence charts and Petri Nets," website address: http://tmitwww.tm.tuc.nl/staff/wvdaalst/Publications/p70.pdf , from In Proceedings of PROLAMAT'98, IFIP Transactions, Trento, pp. 1-43, (1998):	
	BS	VAN DER AALST, WIL M.P., *Interorganizational Workflows: An approach based on message sequence charts and Petri Nets,* Systems Analysis – Modelling – Stimulation (SAMS), Vol. 34, pp. 335-367, (1999).	
	ВТ	VAN DER AALST, WIL M.P., "Interorganizational Workflows: An approach based on message sequence charts and Petri Nets." Systems analysis – Modelling – Stimulation, Vol. 35, No. 3, pp. 345-357, (1999).	
	BU	VAN DER AALST, WIL M.P., "Three Good Reasons for Using a Petri-Net-Based Workflow Management System," Information and Process Integration in Enterprises: Rethinking Documents, Kluwer Academic Publishers, Norwell, MA, pp. 161-182 (1998).	
	BV-	VAN GLABBEEK, R., and GOLTZ U., "Refinement of Actions in Causality Based Models," Proceedings of the Rex Workshop – Stepwise Refinement of Distributed Systems Models, Formalisms, Correctness, Mook, The Netherlands, pp. 267-300, (May 29 – June 2, 1989).	
	BW	VAN GLABBEEK, and R. WELILAND, P., "Branching Time and Abstraction in Bisimulation Semantics," Journal of the ACM, Vol. 43, No. 3, pp. 555-600 (May 1996).	
	BX	WEITZ, W., "SGML Nets: Integrating Document and Workflow Modeling," Proceedings of the 31st Annual Hawaii International Conference on System Sciences, IEEE, pp. 185-194 (1998).	

Examiner Signature	Bh.	Date Considered	9/22/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office. Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.

Sheet

COPY OF PAPERS ORIGINALLY FILED

PTO/SB/08A (10-01)

Approved for use through 10/31/2002, OMB 0651-00315 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Index the Panerwork Reduction Act of 1995, no necessar are required in respond in a collection of information unless it contains a variet OMB control number

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Substitute for form 1449A/PTO

(use as many sheets as necessary)

of

Complete if Known					
Application Number	10/054,749				
Filing Date	January 18, 2002				
First Named Inventor	Stork, David G.				
Art Unit	2171				
Examiner Name	Unassigned				
Attorney Docket Number	015358-006710US				

			U.S. PATENT D	OCUMENTS	
		Document Number			
Examiner	Cite No.	Number Kind Code ² (if known)	Publication Cate MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Al	AA	US-6,011,830	01-04-2000	Sasin et al.	
		1			
				<u></u>	RECEIVED
					TILOLIVED
		\sim			SEP 0 9 2002
					Technology Center 2100
					0, 000
		1			1

			FOREIGH	N PATENT DOCUME	NTS		
Examiner Initials*	Cite No.'	Foreign Patent Document			Name of Patentee or	Pages, Columns, Lines, Where Relevant	
		Country Code ³	Number ⁴ Kind Code ³ (# k	Publication Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	T [©]
							<u> </u>
							├
			_X		•		

	1 21			
Examiner Signature	Min the	Date Considered	9/22/03	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

COPY OF PAPERS **ORIGINALLY FILED**

PTO/SB/08B (10-01) Approved for use through 10/31/2002 OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

MADE Destitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of

Complete if Known				
Application Number	10/054,749			
Filing Date	January 18, 2002			
First Named Inventor	Stork, David G.			
Art Unit	2171			
Examiner Name	Unassigned			
Attorney Docket Number	015358-006710US			

BRAUER et al., "Survey of Behaviour and Equivalence Preserving Refinements of Petri Nets," Grzegorz Rozenberg, eds., in Advances in Petri Nets 1990, No. 483, in Lecture Notes in Computer Science (LNCS), PAGES 1-46. GENRICH et al., "Predicate / Transition Nets," from Lecture Notes in Computer Science, Goos and Hartmanis eds., vol. 254, Petri Nets: Central Models and Their Properties, Brauer et al., eds., pages 208-247, Springer- Verlag (1987). KOHLER et al., "Modeling the Structure and Behaviour of Petri Net Agents," from Lecture Notes in Computer Science, vol. 2075, pages 224-241 (2001), Colom & Koutny eds., Springer-Verlag (2001). AE SMITH, E., "Principles of High-Level Net Theory," from Lecture Notes in Computer Science, vol. 1491, pages 174-210 (1998), Reisig & Rozenberg Eds., Springer-Verlag (1998). VALK, R., "Petri Nets as Token Objects, An Introduction to Elementary Object Nets," from Lecture Notes in Computer Science, vol. 1420, pages 1-25, Springer-Verlag (1989). RECEIVEL SEP 0 9 2007	
GENRICH et al., "Predicate / Transition Nets," from Lecture Notes in Computer Science, Goos and Hartmanis cds., vol. 254, Petri Nets: Central Models and Their Properties, Brauer et al., eds., pages 208-247, Springer-Verlag (1987). KOHLER et al., "Modeling the Structure and Behaviour of Petri Net Agents," from Lecture Notes in Computer Science, vol. 2075, pages 224-241 (2001), Colorn & Koutny eds., Springer-Verlag (2001). AE SMITH, E., "Principles of High-Level Net Theory," from Lecture Notes in Computer Science, vol. 1491, pages 174-210 (1998), Reisig & Rozenberg Eds., Springer-Verlag (1998). AF VALK, R., "Petri Nets as Token Objects, An Introduction to Elementary Object Nets," from Lecture Notes in Computer Science, vol. 1420, pages 1-25, Springer-Verlag (1989).	
KOHLER et al., "Modeling the Structure and Behaviour of Petri Net Agents," from Lecture Notes in Computer Science, vol. 2075, pages 224-241 (2001), Colom & Koutny eds., Springer-Verlag (2001). AE SMITH, E., "Principles of High-Level Net Theory," from Lecture Notes in Computer Science, vol. 1491, pages 174-210 (1998), Reisig & Rozenberg Eds., Springer-Verlag (1998). AF VALK, R., "Petri Nets as Token Objects, An Introduction to Elementary Object Nets," from Lecture Notes in Computer Science, vol. 1420, pages 1-25, Springer-Verlag (1989).	
AF VALK, R., "Petri Nets as Token Objects, An Introduction to Elementary Object Nets," from Lecture Notes in Computer Science, vol. 1420, pages 1-25, Springer-Verlag (1989). RECEIVED	
Ar Computer Science, vol. 1420, pages 1-25, Springer-Verlag (1989). RECEIVEL	
RECEIVED	+
SEP 0 9 2002	-
Technology Center 7	100

Examiner Signature	Min	Ble	Date Considered	9/22/05

EXAMINER: Initial if retailence considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. PA 3243333 v1

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.





NO.504 P.5

Please type a plus eign (+) inside this box

Officia

PTO/88/08A (08-00)

Approved for use through 10/31/2002, CMB 0651-0031*
U.S. Petant and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Panerwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449APTO

Complete If Known

Application Number 10/054,749

Filling Date January 18, 2002

STATEMENT BY APPLICANT

(use as many sheats as necessary)

Complete If Known

Application Number 10/054,749

Filling Date January 18, 2002

First Named Inventor Stork, David G,

Group Art Unit 2171

Examiner Name To Be Assigned

Sheet 1 of 3 Attorney Docket Number 015358-006710US

				U.S. PATENT DOCUM	MENTS_	
Economic	Cita	U.S. Pa	ent Cocument		Date of Publication of	Pagea, Columna, Lines, Where Relevant
Initials *	No.1	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Ched Document	Cited Document MM-DD-YYYY	Passages or Relevant Passages or Relevant Flaures Appear
AB	AA	RE 31,2	197	Patil	08-21-1983	
77	AB	4,068,2	14	Patil	01-10-1978	
	AC	4,844,4	81	Jennings	02-17-1987	
	AD	4,700,1	87	Furtek	10-18-1987	
	AE	4,856,6	05	Nakano et al.	09-12-1989	
	AF	5,029,0	80	Otsuid	07-02-1891	
	AG	5,257,3	63	Shapiro et al.	10-26-1993	
	AH	5,283,8	98	Temmyo et al.	02-01-1994	
	Al	5,291,4	27	Loyer et al.	03-01-1894	
	7	8,555,1	79	Koyama et al.	09-10-1898	
	AK	5,742,2	83	Kim	04-21-1898	
	AL AL	6,002,8	50	Simino et al.	12-14-1999	<u> </u>
	_AM	6,001,8	30	Sasin et al.	01-04-2000	
\perp	AN	6,087,8	57	Kishinaky et al.	05-23-2000	
Ţ	AO	6,178,2	89 B1	Kishinsky et al.	01-28-2001	
	AP	6,225,9	98 B1	Okita et al.	05-01-2001	
Als	AQ	6,256,5	9B 91	ParketaL	07-03-2001	

				FOREIG	N PATENT DOCU	MENTS		
Exeminer Initials*	~	Foreign Patent Document				Pages, Columns, Lines,		
	No.	Offices	Number ⁴	IQnd Code ⁶ (If known)	Name of Palentee or Applicant of Cited Document	Date of Publication of Cited Document . MM-DD-YYYY	Where Relevant Passages or Relevant Floures Appear	T ⁴
	AR	DE	4301391	A1	Vetteridad, D.	08-11-1994		
	A6	DE	19621082	A1	Blemens, A.G.	11-27-1997		
	AT	JP	7160773	A	Omron, K.K.	05-23-1995		
	AU	JP.	10049208	A	Kohe Steel, Ltd.	02-20-1998		
	AV	JP	10058288	Α	Toshiba, K.K.	03-03-1988		-
	AW	JP.	10124110	A	Ebara Corp.	05-15-1998		
	AX	JÞ	10240714		Toshiba, K.K.	09-11-1998		
	AY	JP.	11828259	A-	- Nippon Steel Corp.	11-80-1989		

Examiner Signature Date Considered Gh265

EXAMINER: Initial if reference cordidered, whether or not olistion is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PA 3211350 v1

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ² Enter Office that issued the document, by the two-latter code (WPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

P.6

Please type a plus sign (+) inside this box

plus eign (+) inside this box PTO/SS/08B (08-00)

Approved for use through 10/31/2002. OMB 0861-0031

U.S., Petent and Tradement Office: U.S., DEPARTMENT OF COMMERCE

Under the Pepervork Reduction Act of 1985, no persone ere required to respond to a collection of information unless it contains a vasid CMB control number

	Substitute	e for form 144	8B/PTO		Complete if Known			
			AN 816		Application Number	10/054,749		
				CLOSURE	Filing Date	January 18, 2002		
	STA'	TEMEN	T BY A	PPLICANT	Pirst Named Inventor	Stork, David G.		
					Group Art Unit	2171		
		(use as ma	ny ahaets as	nacessary)	Examiner Name	To Be Assigned		
て	Shaet	2	of	3	Attorney Docket Number	015358-008710U8	フ	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the itam (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	т,
	AZ ·	ACETO, L., and HENNESSY, M., "Adding Addon Refinement to a Finite Process Algebra"," Information and Computation, 115, pp. 179-247 (1994).	
	BA	ANONYMOUS, "Petri net approach to checking software structural change corretances in operation – using changed region analysis to identify parts still restring further checking using set of linear expressions in logic falstionship." RD 348009 A. p. 225, (4-10-1983).	
	8B	BAJ, YUE-BIN, LIU, YI, MA, JIAN-BHE, and ZHENG, SHOU-QI, "Research and Implementation of Distributed Security Administration System for Remote Access Based on NAS," Mini-Micro Systems, Vol. 21, No. 11, pp. 1197- 2000 (Nov. 2000).	
	ВС	SAUDERON, M. and COURCELLE, B. *Greph Expressions and Graph Rownling,* Mathematical Systems Theory, Vol. 20, pp. 83-127, (1987).	
	BD_	CHUN, Yang, 'Application and Research of a User Name and Password Authentication Based on SOCKS VS,' Journal of University of Electronic Science and Technology of China, Vol. 30, No. 2, pp. 182-185 (Apr. 2001).	
	-05-	DOYLE, E.M., TAYERES, S.E., and MENER, H., "Computer Analysis of Cryptographic Protocols Using Colored Patri Nets," 18th Biennied Symposium on Communication Symposium Proceedings, pp. 194-199 (June, 1998).	
	BF	EL-HADIDI, M.T., HEBAZI, N.H., and ASLAN, H.K., "implementation of a Hybrid Encryption Scheme for Ethernet." Proceedings of IEEE Symposium on Computers and Communications, Alexandria, Egypt, pp. 150-158 (June 1998)	
	BG	GENRICH, H.J., and LAUTENBACH, K., 'System Modelling With High-Level Petri Nets,' Theoretical Computer Science, 13, pp. 109-138, (1981).	
	вн	JUSZOZYSZYN, K., 'Secure Information Flow Model for Corporate Network," Information Systems Architecture and Technology ISAT 2000, pp. 272-279; (2000).	
		KARRI, R., "A Security imbedded Authentication Protocol," IEEE INFOCOM '88 - The Conference on Computer Communications Proceedings, pp. 1105-1109 (March 1986).	
	BJ	KRAMER, B., "Rule Enhanced Petri Note for Software Process Mediting." SEKE '94 — The 6th International Conference on Software Engineering and Knowledge Engineering, pp. 493-500 (June 1994)	
	ВК	MILNER, R., "Communicating and Mobile Systems: The # - Calculus," Cambridge University Press, Cambridge, UK, pp. 1-161, (1989).	
	BL_	MIRBKY, E., and DEHON, A., "MATRIX: A Reconfigurable Computing Architecture with Configurable Instruction Distribution and Deployable Resources," Proceedings of IEEE Workship of FPGAs for Custom Computing Machines, pp. 157-166, (1996).	
	ВМ	MURATA, T., "Petri nets: Properties, Analysis and Applications," Proceedings of the IEEE, Vol. 77, No. 4, pp. 541-560, (April 1989).	
	BN	MORTON, C.M., ROBART, L.C., and TAVARES, S.E., "Decomposition Techniques for Cryptographic Protect! Analysis," 1994 Canadian Conference on Electrical and Computer Engineering, pp. 335-338, (September 1994).	
		I	

Examiner		Date	
	11-131		9/00/0
Signature	The second	Considered	11/1/00

"EXAMINER: Initial if relegance contridered, whether or not citation is in conformance with MPEP 609. Draw tine through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED PORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Westington, DC 20231.

PA 3211350 V1

¹ Unique attation designation number. 2 Applicant is to place a check mark here it English language Translation is attached.

Please type a plus sign (+) inside this box -> +

PTO/8B/08B (08-00)

Approved for use through 10/31/2012. OMB 0351-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Restution Act of 1885, no persons the required to respond to a colorion of information unders it contains a wald OMB control number

Substitute for form 1449B/PTO	Complete If Known			
INFORMATION DISCLOSURE	Application Number	10/054,749		
INFORMATION DISCLOSURE	Filing Date	January 18, 2002		
STATEMENT BY APPLICANT	First Named Inventor	Stork, David G.		
	Group Art Unit	2171		
(use as many sheets as necessary)	Examinar Name	To Be Assigned		
Sheet 3 of 3	Attorney Docket Number	015358-006710US		

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	bridde name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the litem (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	,
	ВО	OHTA, A., OHBA, T., and HISAMURA, T., "On Liveness of Subclasses of Petri Nets with Permission or inhibitor Arcs," Trans. of the Society of Instrument and Control Engineers, Vol. 31, No. 10, pp. 1722-1729 (1895).	
	ВР	8CHMIDT, H.W., "Prototyping and Analysis of Non-Sequential Systems Using Predicate-Event Nets," Journal Systems Software, Vol. 15, pp. 43-62, (1991).	F
	_BQ	VALETTE, R., "Analysis of Point Note By Stepulso-Refinements," Journal of Computer and System Sciences, Vol. 18, No. 1, pp. 35-48, (1978).	F
	_BR	VAN DER AALST, Wil. M.P., "Interrogantational Workflows: An approach based on message sequence charts end Petit Nets," website address: http://mpitwww.tm.tus.nl/staff/wv/daalst/Publications/p76.pdf , from in Proceedings of PROLAMAT98, IFIP Transactions, Tranto, pp. 1-43, (1998).	
	B8	VAN DER AALST, WIL M.P., "Intercriganizational Workflows: An approach based on massage sequence charts and Patri Nats," Systems Analysis — Modelling — Stimulation (SAMS), Vol. 34, pp. 338-387, (1999).	
	87-	VAN DER AALST, WIL M.P., "Intercriminational Worldlows: An approach based on massage sequence charte and Petri Nets." Systems supplies - Modelling - Stimulation, Vol. 35, No. 3, pp. 345-357, (1999).	F
	BU	VAN DER AALST, Wil. M.P., "Three Good Reasons for Using a Petri-Net-Based Workflow Management System," Information and Process Integration in Enterprises: Rethinking Documents, Kluwer Academic Publishers, Norwell, MA, pp. 161-182 (1988).	
	BV -	VAN GLABBEEK, R., and GCLTZ, U., "Refinement of Actions in Causality Based Models," Proceedings of the Rex Workshop—Stepwise Refinement of Distributed Systems Models, Formalisms, Correctness, Mook. The Netherlands, pp. 267-300, (May 29 – June 2, 1889).	Ī
	BW	VAN GLABBEEK, and R., WELILAND, P., "Branching Time and Abstraction in Bisimulation Bernantice," Journal of the ABM, Vol. 43, No. 3, pp. 555-600 (May 1988).	
	BX	WSHZ, W., "SGMI, Nets; Integrating Document and Wondlow Modeling," Proceedings of the 31st Annual Hawaii International Conference on System Sciences, IEEE, pp. 185-186-14688).	F

		-			
Examiner	// -		Date		
		54		9/20	/9 _
Signature	man 1	/	Considered		105
					

'EXAMINER: billial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief information Officer, U.S. Patent and Trademark Officer, Washington, CC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Convents ioner for Patents, Washington, DC 20231.
PA 3211350 VI

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.